CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/042,665A

CRF Processing Date: 7-11-02

Edited by: M. SPENCER

Verified by: _____ (STIC staff)

#1 70590 0703

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was wrapped down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

_____

_____

_____

_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 07/11/2002
PATENT APPLICATION: **US/10/042,665A** TIME: 09:11:59

Input Set : **A:\ptoms.txt**
Output Set: **N:\CRF3\07112002\J042665A.raw**

<110> APPLICANT: Schupp, Thomas
Toupet, Christine
Engel, Nathalie
<120> TITLE OF INVENTION: Rifamycin biosynthesis gene cluster
<130> FILE REFERENCE: 4-21001/B/C1
<140> CURRENT APPLICATION NUMBER: 10/042,665A
<141> CURRENT FILING DATE: 2002-01-09
<150> PRIOR APPLICATION NUMBER: 09/242,744
<151> PRIOR FILING DATE: 1999-03-24
<150> PRIOR APPLICATION NUMBER: PCT/EP97/04495
<151> PRIOR FILING DATE: 1997-08-18
<160> NUMBER OF SEQ ID NOS: 9
<170> SOFTWARE: PatentIn Ver. 2.1
<210> SEQ ID NO: 1
<211> LENGTH: 5676
<212> TYPE: DNA
<213> ORGANISM: Amcylatopsis mediterranei
<400> SEQUENCE: 1

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PATENT APPLICATION: US/10/042,665A TIME: 09:11:59

Input Set : A:\ptoms.txt
Output Set: N:\CRF3\07112002\J042665A.raw

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RAW SEQUENCE LISTING DATE: 07/11/2002
PATENT APPLICATION: US/10/042,665A TIME: 09:11:59

Input Set : A:\ptoms.txt
Output Set: N:\CRF3\07112002\J042665A.raw

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106 aggcacggga gtggccgcgg aacggccgtc cgcgccgggc cggggtgtcc tcgttcggga 4620
107 tcagcggcac gaacgcccac ctgatcatcg aagaagcacc ggccgagcca cagcttgccg 4680
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115 tcctccgtgg cgacggtgac ctcgatcggg tcgatgtgct gcagcccgcg tgctttgcgg 5160
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123 ggatcgacgc ccgggcgccg ctggtgccgt tcctctccac cctcaccggc gagtggatcc 5640
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128 <211> LENGTH: 1875
129 <212> TYPE: PRT
130 <213> ORGANISM: Amycolatopsis mediterranei
132 <400> SEQUENCE: 2
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137             20                  25                  30
139 Gly Glu Val Pro Ala Glu Thr Gly Leu Leu Asn Gln Thr Val Phe Thr
140         35                  40                  45
142 Gln Ala Gly Leu Phe Ala Val Glu Ser Ala Leu Phe Arg Leu Ala Glu
143     50                  55                  60
145 Ser Trp Gly Val Arg Pro Asp Val Val Leu Gly His Ser Ile Gly Glu
146 65                  70                  75                  80
148 Ile Thr Ala Ala Tyr Ala Ala Gly Val Phe Ser Leu Pro Asp Ala Ala
149                 85                  90                  95
151 Arg Ile Val Ala Ala Arg Gly Arg Leu Met Gln Ala Leu Ala Pro Gly
152             100                 105                 110
154 Gly Ala Met Val Ala Val Ala Ala Ser Glu Ala Glu Val Ala Glu Leu
155         115                 120                 125
157 Leu Gly Asp Gly Val Glu Leu Ala Ala Val Asn Gly Pro Ser Ala Val
158     130                 135                 140
160 Val Leu Ser Gly Asp Ala Asp Ala Val Val Ala Ala Ala Ala Arg Met
161 145                 150                 155                 160
163 Arg Glu Arg Gly His Lys Thr Lys Gln Leu Lys Val Ser His Ala Phe
164                 165                 170                 175
166 His Ser Ala Arg Met Ala Pro Met Leu Ala Glu Phe Ala Ala Glu Leu
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RAW SEQUENCE LISTING DATE: 07/11/2002
PATENT APPLICATION: US/10/042,665A TIME: 09:11:59

Input Set : A:\ptoms.txt
Output Set: N:\CRF3\07112002\J042665A.raw

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169 Ala Gly Val Thr Trp Arg Glu Pro Glu Ile Pro Val Val Ser Asn Val
170         195                 200                 205
172 Thr Gly Arg Phe Ala Glu Pro Gly Glu Leu Thr Glu Pro Gly Tyr Trp
173     210                 215                 220
175 Ala Glu His Val Arg Arg Pro Val Arg Phe Ala Glu Gly Val Ala Ala
176 225                 230                 235                 240
178 Ala Thr Glu Ser Gly Gly Ser Leu Phe Val Glu Leu Gly Pro Gly Ala
179                 245                 250                 255
181 Ala Leu Thr Ala Leu Val Glu Glu Thr Ala Glu Val Thr Cys Val Ala
182                 260                 265                 270
184 Ala Leu Arg Asp Asp Arg Pro Glu Val Thr Ala Leu Ile Thr Ala Val
185         275                 280                 285
187 Ala Glu Leu Phe Val Arg Gly Val Ala Val Asp Trp Pro Ala Leu Leu
188     290                 295                 300
190 Pro Pro Val Thr Gly Phe Val Asp Leu Pro Lys Tyr Ala Phe Asp Gln
191 305                 310                 315                 320
193 Gln His Tyr Trp Leu Gln Pro Ala Ala Gln Ala Thr Asp Ala Ala Ser
194                 325                 330                 335
196 Leu Gly Gln Val Ala Ala Asp His Pro Leu Leu Gly Ala Val Val Arg
197                 340                 345                 350
199 Leu Pro Gln Ser Asp Gly Leu Val Phe Thr Ser Arg Leu Ser Leu Lys
200         355                 360                 365
202 Ser His Pro Trp Leu Ala Asp His Val Ile Gly Gly Val Val Leu Val
203     370                 375                 380
205 Ala Gly Thr Gly Leu Val Glu Leu Ala Val Arg Ala Gly Asp Glu Ala
206 385                 390                 395                 400
208 Gly Cys Pro Val Leu Glu Glu Leu Val Ile Glu Ala Pro Leu Val Val
209                 405                 410                 415
211 Pro Asp His Gly Gly Val Arg Ile Gln Val Val Val Gly Ala Pro Gly
212                 420                 425                 430
214 Glu Thr Gly Ser Arg Ala Val Glu Val Tyr Ser Leu Arg Glu Asp Ala
215         435                 440                 445
217 Gly Ala Glu Val Trp Ala Arg His Ala Thr Gly Phe Leu Ala Ala Thr
218     450                 455                 460
220 Pro Ser Gln His Lys Pro Phe Asp Phe Thr Ala Trp Pro Pro Pro Gly
221 465                 470                 475                 480
223 Val Glu Arg Val Asp Val Glu Asp Phe Tyr Asp Gly Phe Val Asp Arg
224                 485                 490                 495
226 Gly Tyr Ala Tyr Gly Pro Ser Phe Arg Gly Leu Arg Ala Val Trp Arg
227                 500                 505                 510
229 Arg Gly Asp Glu Val Phe Ala Glu Val Ala Leu Ala Glu Asp Asp Arg
230         515                 520                 525
232 Ala Asp Ala Ala Arg Phe Gly Ile His Pro Gly Leu Leu Asp Ala Ala
233     530                 535                 540
235 Leu His Ala Gly Met Ala Gly Ala Thr Thr Thr Glu Glu Pro Gly Arg
236 545                 550                 555                 560
238 Pro Val Leu Pro Phe Ala Trp Asn Gly Leu Val Leu His Ala Ala Gly
239                 565                 570                 575
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Input Set : A:\ptoms.txt
Output Set: N:\CRF3\07112002\J042665A.raw

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242             580                 585                 590
244 Ser Val Glu Ala Ala Asp Glu Ala Gly Gly Leu Val Val Thr Ala Asp
245         595                 600                 605
247 Ser Leu Val Ser Arg Pro Val Ser Ala Glu Gln Leu Gly Ala Ala Ala
248     610                 615                 620
250 Asn His Asp Ala Leu Phe Arg Val Glu Trp Thr Glu Ile Ser Ser Ala
251 625                 630                 635                 640
253 Gly Asp Val Pro Ala Asp His Val Glu Val Leu Glu Ala Val Gly Glu
254                 645                 650                 655
256 Asp Pro Leu Glu Leu Thr Gly Arg Val Leu Glu Ala Val Gln Thr Trp
257             660                 665                 670
259 Leu Ala Asp Ala Ala Asp Asp Ala Arg Leu Val Val Val Thr Arg Gly
260         675                 680                 685
262 Ala Val His Glu Val Thr Asp Pro Ala Gly Ala Ala Val Trp Gly Leu
263     690                 695                 700
265 Ile Arg Ala Ala Gln Ala Glu Asn Pro Asp Arg Ile Val Leu Leu Asp
266 705                 710                 715                 720
268 Thr Asp Gly Glu Val Pro Leu Gly Arg Val Leu Ala Thr Gly Glu Pro
269                 725                 730                 735
271 Gln Thr Ala Val Arg Gly Ala Thr Leu Phe Ala Pro Arg Leu Ala Arg
272             740                 745                 750
274 Ala Glu Ala Ala Glu Ala Pro Ala Val Thr Gly Gly Thr Val Leu Ile
275         755                 760                 765
277 Ser Gly Ala Gly Ser Leu Gly Ala Leu Thr Ala Arg His Leu Val Ala
278     770                 775                 780
280 Arg His Gly Val Arg Arg Leu Val Leu Val Ser Arg Arg Gly Pro Asp
281 785                 790                 795                 800
283 Ala Asp Gly Met Ala Glu Leu Thr Ala Glu Leu Ile Ala Gln Gly Ala
284                 805                 810                 815
286 Glu Val Ala Val Val Ala Cys Asp Leu Ala Asp Arg Asp Gln Val Arg
287             820                 825                 830
289 Val Leu Leu Ala Glu His Arg Pro Asn Ala Val Val His Thr Ala Gly
290         835                 840                 845
292 Lys Val Phe Ala Pro Lys Val Thr Ala Ala Asn His Leu Asp Glu Leu
293     850                 855                 860
295 Thr Arg Glu Leu Asp Leu Arg Ala Phe Val Val Phe Ser Ser Ala Ser
296 865                 870                 875                 880
298 Gly Val Phe Gly Ser Ala Gly Gln Gly Asn Tyr Ala Ala Ala Asn Ala
299                 885                 890                 895
301 Tyr Leu Asp Ala Val Val Ala Asn Arg Arg Ala Ala Gly Leu Pro Gly
302             900                 905                 910
304 Thr Ser Leu Ala Trp Gly Leu Trp Glu Gln Thr Asp Gly Met Thr Ala
305         915                 920                 925
307 His Leu Gly Asp Ala Asp Gln Ala Arg Ala Ser Arg Gly Gly Val Leu
308     930                 935                 940
310 Ala Ile Ser Pro Ala Glu Gly Met Glu Leu Phe Asp Ala Ala Pro Asp
311 945                 950                 955                 960
313 Gly Leu Val Val Pro Val Lys Leu Asp Leu Arg Lys Thr Arg Ala Gly
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VERIFICATION SUMMARY DATE: 07/11/2002
PATENT APPLICATION: **US/10/042,665A** TIME: 09:12:00

Input Set : **A:\ptoms.txt**
Output Set: **N:\CRF3\07112002\J042665A.raw**